

ANNEXURE M. Sc. CHEMISTRY

Equivalence of Syllabus / papers between CBS & CBCS syllabus for desirous students (CBS Pattern students (introduced in the Year 2012-2013) in CBCS Pattern (introduced in the year 2015-16 at M.Sc. Semester I and II and in the year 2016-17, at M.Sc. Semester –III and Semester IV

If the candidate has failed in any of the papers mentioned below (As described in Point no. 3 'b', 'c', 'd', and 'e')						Then, the candidate shall appear and clear the paper shown in the respective row as equivalent paper						
M.Sc. Subject CHEMISTRY CBS Pattern : Semester -I						M.Sc. Subject CHEMISTRY Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	CH-101:	Paper I	(Inorganic Chemistry)	100	4		Sem I	1T1	Paper I	(Inorganic Chemistry)	80+ 20	4
02	CH-102:	Paper II	(Organic Chemistry)	100	4		Sem I	1T2	Paper II	(Organic Chemistry)	80+20	4
03	CH-103:	Paper III	(Physical Chemistry)	100	4		Sem I	1T3	Paper III	(Physical Chemistry)	80+20	4
04	CH-104:	Paper IV	(Analytical Chemistry)	100	4		Sem I	1T4	Paper IV	(Analytical Chemistry)	80+20	4
05	CH-105:	Practical-I	(Inorganic Chemistry)	80+ 20	4		Sem I	1P1	Practical-I	(Inorganic Chemistry)	100	4
06	CH-106:	Practical-II	(Physical Chemistry)	80+20	4		Sem I	1P3	Practical-II	(Physical Chemistry)	100	4
07	CH-107:	Seminar-I	Seminar-I	25	1		Sem I	1S1	Seminar-I	Seminar-I	25	1

M.Sc. Subject: CHEMISTRY CBS Pattern : Semester -II						M.Sc. Subject: CHEMISTRY Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	CH-201:	Paper V	(Inorganic Chemistry)	100	4		Sem II	2T1	Paper V	(Inorganic Chemistry)	80+20	4
02	CH-202:	Paper VI	(Organic Chemistry)	100	4		Sem II	2T2	Paper VI	(Organic Chemistry)	80+20	4
03	CH-203:	Paper VII	(Physical Chemistry)	100	4		Sem II	2T3	Paper VII	(Physical Chemistry)	80+20	4
04	CH-204:	Paper VIII	(Analytical Chemistry)	100	4		Sem II	2T4	Paper VIII	(Analytical Chemistry)	80+20	4
05	CH-205:	Practical-III	(Organic Chemistry)	80+20	4		Sem II	2P2	Practical-III	(Organic Chemistry)	100	4
06	CH-206:	Practical-IV	(Analytical Chemistry)	80+20	4		Sem II	2P4	Practical-IV	(Analytical Chemistry)	100	4
07	CH-207:	Seminar-II	Seminar-II	25	1		Sem II	2S1		Seminar-II	25	1

M.Sc. Subject: CHEMISTRY CBS Pattern : Semester -III						M.Sc. Subject CHEMISTRY Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	CH-301:	Paper IX	(Spectroscopy)	100	4		Sem III	3T4*	Paper -XII	Core Subject Centric Spectroscopy - I	80+20	4
02	CH-302:	Paper X	(Special I-Inorganic /Organic/ Physical/Analytical)	100	4		Sem III	3T1	Paper IX	(Special I-Inorganic /Organic/ Physical/Analytical)	80+20	4
03	CH-303:	Paper XI	(Special II-Inorganic /Organic/ Physical/Analytical)	100	4		Sem III	3T2	Paper X	(Special II-Inorganic /Organic/ Physical/Analytical)	80+20	4
04	CH-304:	Paper XII	(Elective- Nuclear/ Environmental/Polymer/Medical)	100	4		Sem III	3T3	Paper XI	(Elective- Nuclear/ Environmental /Polymer/Medicinal	80+20	4
05	CH-304	Paper XII	Elective-Applied Analytical	100	4		Sem III	3T4#	Paper-XII	Foundation Course Applied Analytical Chemistry -I	80+20	4
06	CH-305:	Practical V	Special (Inorganic /Organic/ Physical/Analytical)	80+20	4		Sem III	3P1	Practical V-	Special (Inorganic /Organic/ Physical/Analytical)	100	4
07	CH-306:	Practical VI	Elective (Applied Analytical/ Nuclear/ Environmental/Polymer/Medical)	80+20	4		Sem III	3P3	Practical VI- Elective	Elective (Nuclear/Environmental/ Polymer/Medicinal)	100	4
08	CH-307	Seminar-III	Seminar-III	25	1		Sem III	3S1	Seminar-III	Seminar-III	25	1

*Core Subject Centric –I; # Foundation Course

M.Sc. Chemistry CHEMISTRY CBS Pattern : Semester -IV						M.Sc. Subject CHEMISTRY Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	CH-401:	Paper XIII	(Spectroscopy)	100	4		Sem IV	4T4**	Paper -XVI	Core Subject Centric Spectroscopy-II	80+20	4
02	CH-402:	Paper XIV	(Special I-Inorganic /Organic/ Physical/Analytical)	100	4		Sem IV	4T1	Paper XIII	(Special I-Inorganic /Organic/ Physical/Analytical)	80+20	4
03	CH-403:	Paper XV	(Special II-Inorganic /Organic/ Physical/Analytical)	100	4		Sem IV	4T2	Paper XIV	(Special II-Inorganic /Organic/ Physical/Analytical)	80+20	4
04	CH-404:	Paper XVI	(Elective- Nuclear/ Environmental/Polymer/Medicinal)	100	4		Sem IV	4T3	Paper XI	(Elective- Nuclear/ Environmental /Polymer/Medicinal	80+20	4
05	CH-404	Paper XVI	Elective-Applied Analytical				Sem IV	4T4#	Paper- XII	Foundation Course Applied Analytical Chemistry -I	80+20	4
05	CH-405:	Practical VII	Special (Inorganic /Organic/ Physical/Analytical)	80+20	4		Sem IV	4P1	Practical VII	Special (Inorganic /Organic/ Physical/Analytical)	100	4
06	CH-406:	Project	Project	80+20	4		Sem IV	4PROJ1	Project	Special (Inorganic /Organic/ Physical/Analytical)	100	4
07	CH-407	Seminar IV	Seminar IV				Sem IV	4S1	Seminar-IV	Seminar-IV	25	1

**Core Subject Centric – II; # Foundation Course